

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: INTEL1480-2 (P13833X)	Serial No.: 10/705,389
	Applicants: Sundararajan, et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: November 10, 2003	Group Art Unit: 1632 1634

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
B2A	A	6,280,939	8/28/01	Michael J. Allen	435	6	
	B	6,436,647	8/20/02	Quate, et al.	435	6	
	C	6,500,650	12/31/02	Stanton, Jr., et al.	435	91.1	
	D	6,509,158	1/21/03	David C. Schwartz	435	6	
	E	6,514,767	2/4/03	Michael Natan	436	166	
B2U	F	2002/0022261	2/21/02	Anderson, et al.	435	287	

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

B2A	G	Doering, et al., "Spectroscopic Tags Using Dye-Embedded Nanoparticles and Surface-Enhanced Raman Scattering", <i>Analytical Chemistry</i> , :5-9
B2A	H	Mulvaney, et al., "Glass-Coated, Analyte-Tagged Nanoparticles: A New Tagging System Based on Detection with Surface-Enhanced Raman Scattering", <i>Am Chem Soc.</i> 19:4784-4790 (2003).

EXAMINER GT6423943.1 1090132-100	DATE CONSIDERED 4/26/06
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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if known	
Application Number		Not Yet Assigned			
Filing Date		Concurrently Herewith			
First Named Inventor		Narayan Sundararajan, et al			
Group Art Unit		Not yet assigned 1634			
Examiner Name		Not yet assigned Sisson, B.			
Attorney Docket		42P13833X			

Sheet	1	of	5
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U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
BZJ		5,106,729		Lindsay et al.	04/21/1992	
		5,607,568		Zenharusern et al.	03/04/1997	
		5,866,328		Bensimon et al.	02/02/1999	
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		6,092,422		Binnig et al.	07/25/2000	
		6,123,819		Peeters	09/26/2000	
		6,194,148		Hori et al.	02/27/2001	
		6,280,939		Allen	08/28/2001	
		6,310,189		Fodor et al.	10/30/2001	
		6,325,904		Peeters	12/04/2001	
BZJ		6,379,895		Fodor et al.	04/30/2002	

Foreign Patent Documents						
Examiner's Initials	Date	Document Number	Country	Class	Sub- Class	Translation
BZJ	03/13/1997	WO 97/09584				

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BtA		ABADAL, et al., "Non-Linear Static and Dynamic Behaviour of an Electrostatically Excited Nanocantilever: Electrical Modelization and AFM Characterization," 9 th MEL-ARI/NID Workshop: 6-8 February 2002, Catania, Italy, 2 pages.	
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		FABIAN, et al., "Fabrication of Micromechanical Cantilever Sensors for Nanoscale Thermal Detection," PSI Annual Report 1999, 1 page.	
BtA		FRITZ, et al., "Translating Biomolecular Recognition into Nanomechanics," <i>Science</i> , Vol. 288, April 2000, 2 pages	

Examiner Signature	B. J. Sisson	Date Considered	4/26/06
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				Group Art Unit	Not yet assigned 1674
				Examiner Name	Not yet assigned SISON, B.
				Attorney Docket	42P13833X
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Bff		GEORGE, "Microcantilever Sensor Research," Retrieved from the Internet January 21, 2002, http://www.chemistry.uah.edu/faculty/george/cantilever.html , 2 pages.	
		HANSEN, et al., "Cantilever-Based Optical Deflection Assay for Discrimination of DNA Single-Nucleotide Mismatches," <i>Anal. Chem.</i> , 2001, 73, 1567-1571.	
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		LANG, et al., "Sequential Position Readout from Arrays of Microchemical Cantilever Sensors," <i>Appl. Phys. Lett.</i> , 72(3), January 1998, 383-385.	
Bff		LANG, et al., "An Artificial Nose Based on a Micromechanical Cantilever Array," <i>Analytica Chimica Acta</i> , 393 (1999) 59-65.	

Examiner Signature	B. J. Sison	Date Considered	4/26/04
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Btf		MÜLLER, et al., "Electrostatically Balanced Subnanometer Imaging of Biological Specimens by Atomic Force Microscope," <i>Biophysical Journal</i> , Volume 76, February 1999, 1101-1111.	
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		Zhou, et al., "Microgravimetric DNA Sensor Based on Quartz Crystal Microbalance: Comparison of Oligonucleotide Immobilization Methods and the Application in Genetic Diagnosis," <i>Biosensors and Bioelectronics</i> , 16 (2001) 85-95.	
		"Single Cell Detection Using Micromechanical Oscillators," Biology and Chemistry, Project # 762-99," Retrieved from the Internet on January 7, 2003, URL://<www.nnf.cornell.edu/2001cnfra/200138.pdf> 2 pages.	
Btf		"Nanomechanical Cantilever Array Sensors," Retrieved from the Internet on January 7, 2003, URL://<http://monet.physik.unibas.ch/nose/inficon> 5 pages.	

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BPL		"Cantilever Arrays; Biochemical Sensor; DNA Sensor; Mass Sensor; and Measurement Setup," Retrieved from the Internet on January 21, 2002, URL://<http://www.zurich.ibm.com/st/nanoscience/arrays.html> 8 pages.	
BPL		"Thermogravimetry," Retrieved from the Internet on March 8, 2002, URL://<http://www.zurich.ibm.com/st/nanoscience/thermogravimetry.html> 2 pages.	
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